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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/644,948	08/19/2003	Jennifer Jie Fu	200209712-1	6796

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HEWLETT PACKARD COMPANY
P O BOX 272400, 3404 E. HARMONY ROAD
INTELLECTUAL PROPERTY ADMINISTRATION
FORT COLLINS, CO 80527-2400

EXAMINER
TRAN, TUYETLIEN T

ART UNIT	PAPER NUMBER
2179	

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	12/20/2006	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

PTOL-90A (Rev. 10/06)

	Application No.	Applicant(s)
Office Action Summary	10/644,948	FU, JENNIFER JIE
	Examiner	Art Unit	
	TuyetLien (Lien) T. Tran	2179	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☒ Responsive to communication(s) filed on <u>19 August 2003</u>.

2a) ☐ This action is **FINAL.**   2b) ☒ This action is non-final.

3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) ☒ Claim(s) <u>1-32</u> is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) ☐ Claim(s) _____ is/are allowed.

6) ☒ Claim(s) <u>1-32</u> is/are rejected.

7) ☐ Claim(s) _____ is/are objected to.

8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) ☐ The specification is objected to by the Examiner.

10) ☒ The drawing(s) filed on <u>21 August 2003</u> is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some * c) ☐ None of:

      1. ☐ Certified copies of the priority documents have been received.

      2. ☐ Certified copies of the priority documents have been received in Application No. _____.

      3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
    Paper No(s)/Mail Date _____.

4) ☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____.

5) ☐ Notice of Informal Patent Application

6) ☐ Other: _____.

DETAILED ACTION

Claim Objections

1.   Claims 3, 17, and 30 are objected to because of the following informalities: there is a period in the second line in the claims (see MPEP 608.01(m) - each claim begins with a capital letter and ends with a period). Appropriate correction is required.

2.   Claims 4 and 18 are objected to because the claims end with two periods (refer to MPEP 608.01(m) - each claim begins with a capital letter and ends with a period). Appropriate correction is required.

Claim Rejections - 35 USC § 102

3.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4.   Claims 1-32 are rejected under 35 U.S.C. 102(b) as being anticipated by Patterson (Pub No US 2002/0052941 A1; hereinafter Patterson).

    As to claim 1, Patterson teaches:

    A method for displaying a communication network in a graphical user interface (GUI) display (e.g., see Fig. 3A), comprising:

        displaying at least a portion of said communication network in said GUI display (e.g., displaying server farm 314), including a plurality of network element icons

representing a plurality of network elements and logical connections among said plurality

of network element icons (e.g., network element icons 320B, 322B and logical connection

between them);

ascertaining a first set of properties associated with a first network element of said

plurality of network elements, said first set of properties representing properties associated

with said first network element in said communication network (e.g., network element icon

322B represents firewall); and

displaying at least one visual indicator in said GUI display (e.g., network element

icon 322B), said at least one visual indicator being displayed in a visually connected

manner with a first network element icon representing said first network element (e.g.,

network element icon 320B is connected to icon 322B), said at least one visual indicator

visually indicating in said GUI display that said first set of properties is associated with said

first network element in said communication network (e.g., 'Firewall1', see Fig. 3A).

As to claim 13, Patterson teaches:

A method for displaying a communication network in a graphical user interface

(GUI) display (e.g., see Fig. 3A), comprising:

displaying at least a portion of said communication network in said GUI display

(e.g., displaying server farm 314), including a plurality of network element icons

representing a plurality of network elements and logical connections among said plurality

of network element icons (e.g., network element icons 320B, 322B and logical connection

between them);

ascertaining a first set of properties associated with a first network element of said

plurality of network elements, said first set of properties representing properties associated

with said first network element in said communication network (e.g., network element icon

322B represents firewall);

ascertaining a second set of properties associated with a second network element

of said plurality of network elements, said second set of properties representing properties

associated with said second network element in said communication network (e.g.,

network element icon 320B represents internet);

visually indicating in said GUI display that said first set of properties is associated

with said first network element in said communication network (e.g., 'Firewall1' is

associated with network element icon 322B); and

visually indicating in said GUI display, simultaneously with said visually indicating

that said first set of properties is associated with said first network element, that said

second set of properties is associated with said second network element in said

communication network (e.g., 'Firewall1' is associated with network element icon 322B,

'Internet1' is associated with icon 320B).

As to claim 26, Patterson teaches:

An article of manufacture comprising a program storage medium having computer

readable code embodied therein, said computer readable code being configured to display

a communication network in a graphical user interface (GUI) display (e.g., see [0350] and

Fig. 3A), comprising:

computer readable code for displaying at least a portion of said communication network in said GUI display (e.g., displaying server farm 314), including a plurality of network element icons representing a plurality of network elements and logical connections among said plurality of network element icons (e.g., network element icons 320B, 322B and logical connection between them);

computer readable code for ascertaining a first set of properties associated with a first network element of said plurality of network elements, said first set of properties representing properties associated with said first network element in said communication network (e.g., network element icon 322B represents firewall) and for ascertaining a second set of properties associated with a second network element of said plurality of network elements, said second set of properties representing properties associated with said second network element in said communication network (e.g., network element icon 320B represents internet);

computer readable code for visually indicating in said GUI display that said first set of properties is associated with said first network element in said communication network and for visually indicating in said GUI display, simultaneously with said visually indicating that said first set of properties is associated with said first network element, that said second set of properties is associated with said second network element in said communication network (e.g., 'Firewall1' is associated with network element icon 322B, 'Internet1' is associated with icon 320B).

As to claims 15 and 28, Patterson further teaches wherein said visually indicating that said first set of properties is associated with said first network element and said visually

indicating said second set of properties is associated with said second network element in

said communication network (e.g., 'Firewall1' is associated with network element icon

322B, 'Internet1' is associated with icon 320B, see Fig. 3A) occur in the same window of

said GUI display (e.g., workspace 312 in Fig. 3A).

As to claims 2, 14, 16, 27, and 29, Patterson further teaches wherein said at least one

visual indicator includes a visual icon other than said first network element icon (e.g., see

network element icon 322B in Fig. 3A and icon 322 in Fig. 3B).

As to claims 3 and 17, Patterson further teaches wherein said at least one visual

indicator includes a different color for said first network element icon said different color

being different from a default color that exists if said first set of properties is not associated

with said first network element in said communication network (e.g., see network element

icon 322B in Fig. 3A and icon 322 in Fig. 3B).

As to claims 4 and 18, Patterson further teaches wherein said at least one visual

indicator includes a different shading for said first network element icon, said different

shading being different from a default shading that exists if said first set of properties is not

associated with said first network element in said communication network (e.g., see

network element icon 322B in Fig. 3A and icon 322 in Fig. 3B).

As to claims 5 and 19, Patterson further teaches wherein said at least one visual

indicator includes a different background color for said first network element icon, said

different background color being different from a default background color that exists if said

first set of properties is not associated with said first network element in said

communication network (e.g., see network element icon 322B in Fig. 3A and icon 322 in

Fig. 3B).

As to claims 6 and 20, Patterson further teaches wherein said at least one visual

indicator includes textual information pertaining to said first network element icon, said

textual information being different from textual information, if any, that exists if said first set

of properties is not associated with said first network element in said communication

network (e.g., see network element icon 322B in Fig. 3A and icon 322 in Fig. 3B).

As to claims 7 and 21, Patterson further teaches wherein said at least one visual

indicator includes a different texture for said first network element icon, said texture being

different from a default texture that exists if said first set of properties is not associated with

said first network element in said communication network (e.g., see Fig. 5).

As to claims 8 and 22, Patterson further teaches wherein said at least one visual

indicator represents a different shape for said first network element icon, said different

shape being different from a default shape that is displayed if said first set of properties is

not associated with said first network element in said communication network (e.g., see

network element icon 322B in Fig. 3A and icon 322 in Fig. 3B).

As to claims 9 and 23, Patterson further teaches wherein said at least one visual

indicator represents a different size for said first network element icon, said different size

being different from a default size that is displayed if said first set of properties is not

associated with said first network element in said communication network (e.g., see

network element icon 322B in Fig. 3A and icon 322 in Fig. 3B).

As to claim 30, Patterson further teaches wherein said visually indicating said first

set of properties includes displaying a visual characteristic for said first network element

icon said visual characteristic being different from a default visual characteristic that exists

if said first set of properties is not associated with said first network element in said

communication network, said visual characteristic representing one of a color for said first

network element icon, a different shading for said first network element icon, a different

background color for said first network element icon, a different texture for said first

network element icon, textual information pertaining to said first network element, a

different shape for said first network element icon, and a different size for said first network

element icon (e.g., see network element icon 322B in Fig. 3A and icon 322 in Fig. 3B).

As to claims 10, 24, and 31, Patterson further teaches wherein said first network

element is one of a server (e.g., network element icon 324 C-D, see Fig. 3A), a subnet

(e.g., icon 326 B-C), a firewall (e.g., icon 322B), a VPN (e.g., icon 330B) and a load

balancer (e.g., icon 328B).

As to claim 11, Patterson further teaches including ascertaining a second set of

properties associated with a second network element of said plurality of network elements,

said second set of properties representing properties associated with said second network

element in said communication network (e.g., network element icon 320B represents

internet, see Fig. 3A); and displaying at least another visual indicator in said GUI display

(e.g., network element icon 320B), said at least another visual indicator being displayed in a visually connected manner with a second network element icon representing said second network element (e.g., network element icon 320B is connected to icon 322B), said at least another visual indicator visually indicating in said GUI display that said second set of properties is associated with said second network element in said communication network (e.g., 'Internet1', see Fig. 3A).

As to claims 12, 25, and 32, Patterson further wherein said communication network represents a logical network constructed from a common pool of network elements (e.g., see [0020]).

Conclusion

The prior art made of record on form PTO-892 and not relied upon is considered pertinent to applicant's disclosure. Applicant is required under 37 C.F.R. § 1.111(c) to consider these references fully when responding to this action.

Examiner's note: Examiner has cited particular columns, line numbers, and figures in the references as applied to the claims above for the convenience of the applicant. Although the specified citations are representative of the teaching of the art and are applied to the specific limitations within the individual claim, other passages and figures may apply as well.

Inquiry

Any inquiry concerning this communication or earlier communications from the examiner should be directed to TuyetLien (Lien) T. Tran whose telephone number is 571-270-1033. The examiner can normally be reached on Mon-Friday: 7:30 - 5:00, off on alternating Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Weilun Lo can be reached on 571-272-4847. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

T.T
12/14/2006

Lien Tran
Examiner
Art Unit 2179

BA HUYNH
PRIMARY EXAMINER